

McNeese State University
Lake Charles, LA 70609
September 8, 2000

Ms. Magalie Roman Sales
Secretary
Federal Communications Commission
455 12th Street SW
Washington, DC 20554

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Re: Ultra-Wideband / ET Docket 98-153

Dear Ms. Salas:

It has come to my attention that the Federal Communications Commission is considering the merits of ultra-wideband technologies and has issued a Notice of Proposed Rulemaking addressing some of the related issues.

I have some familiarity with ultra-wideband developments and I have been particularly impressed with the ultra-wideband (or pulse technology) applications envisioned by Larry Fullerton of the Time Domain Corporation. A recent article in the USA TODAY (April 9, 1999) clearly describes the benefits of various possible applications.

As a power systems engineer, I am persuaded that ultra-wideband technologies could be an asset in improving electrical safety and in increasing the speed and effectiveness of restoration efforts following damage to electrical systems. I have extensive experience as an industrial engineer concerned with power system operations and I teach university undergraduate courses and industrial continuing education courses covering electrical safety tools and techniques.

I hope the Federal Communications Commission will expeditiously address ultra-wideband technologies and allow the use of these technologies in the near future. I recognize that regulations will need to take into account possible interference to certain vital communications systems, but I hope that the FCC will attempt to strike a balance between the competing interests.

If additional information is needed I can be reached at 337-475-5865 or by e-mail at f.denny@ieee.org.

Sincerely yours,

Fred I. Denny

Dr. Fred I. Denny,
Associate Professor of Electrical Engineering

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